

# REFERENCE MATERIALS

## Multi-Element Standards Continued

Matrix	Content	Volume	Part No.
<b>PerkinElmer Pure XVI (Quality Control Standard, 21 Elements)</b>			
5% HNO <sub>3</sub> /trace Tartaric Acid/trace HF	100 µg/mL: As, Be, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn	125 mL	<b>N9300281</b>
<b>PerkinElmer Pure XVII</b>			
15% HCl/trace HF	100 µg/mL: Hf, Ir, Sb, Sn, Ta, Tl, Zr	125 mL	<b>N9303948</b>
<b>PerkinElmer Pure VI</b>			
1 mol/L HNO <sub>3</sub> /trace Tartaric Acid	10 µg/mL: Ag, Al, Ba, Bi, Cd, Co, Cr, Cu, Ga, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Rb, Sr, Te, Tl, U, V, 100 µg/mL: As, B, Be, Fe, Se, Zn, 1000 µg/mL: Ca	125 mL	<b>N9307741</b>
<b>Multi-Element Standard</b>			
10% HNO <sub>3</sub>	100 µg/mL: As, Ba, Ca, Cd, Be, Bi, Ce, Cs, Cr, Co, Cu, Dy, Er, Eu, Gd, Ga, Ho, In, La, Pb, Li, Lu, Mn, Nd, Ni, Pr, Rb, Sm, Sc, Se, Sr, Tb, Tl, Th, Tm, U, V, Yb, Y, Zn	125 mL	<b>N9308544</b>
<b>Multi-Element Standard A</b>			
5% HNO <sub>3</sub> /1% HF/trace Tartaric Acid	100 µg/mL: Ge, Hf, Mo, Nb, Sb, Sn, Ta, Te, Ti, W, Zr	125 mL	<b>N9308545</b>
<b>Multi-Element Standard B</b>			
10% HNO <sub>3</sub>	10,000 µg/mL: Ca, K, Mg, Na, P	125 mL	<b>N9308546</b>
<b>Multi-Element Standard C</b>			
5% HNO <sub>3</sub>	10,000 µg/mL: Al, Fe	125 mL	<b>N9308547</b>
<b>Multi-Element Standard D</b>			
5% HCl	10 µg/mL: Au, Pd, Pt	125 mL	<b>N9308548</b>
<b>Multi-Element Standard E</b>			
5% HNO <sub>3</sub>	10 µg/mL: Ag, Hg	125 mL	<b>N9308549</b>

## Quality Control Standards

Matrix	Content	Volume	Part No.
<b>Quality Control Standard 1A</b>			
5% HNO <sub>3</sub> /trace Tartaric Acid HF	1,000 µg/mL: Sb, Ti	125 mL	<b>N9304130</b>
<b>Quality Control Standard 1B</b>			
10% HNO <sub>3</sub>	1,000 µg/mL: As, Be, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Se, Sr, Ti, Tl, V, Zn	125 mL	<b>N9304131</b>
<b>Quality Control Standard, 21 Elements Pure (Pure XVI)</b>			
5% HNO <sub>3</sub> /trace Tartaric Acid/trace HF	100 µg/mL: As, Be, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn	125 mL	<b>N9300281</b>
<b>Quality Control Standard, 21 Elements Pure Plus</b>			
5% HNO <sub>3</sub> /trace Tartaric Acid/trace HF	100 µg/mL: As, Be, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Tl, V, Zn	125 mL	<b>N9303837</b>
<b>Quality Control Standard, 7A Elements</b>			
5% HNO <sub>3</sub> /trace HF	1,000 µg/mL: K 500 µg/mL: Si 100 µg/mL: Al, B, Ba, Na 50 µg/mL: Ag	125 mL	<b>N9300280</b>

## Mixed Calibration Standards

Matrix	Content	Volume	Part No.
<b>Mixed Calibration Standard</b>			
2% HNO <sub>3</sub>	50 µg/mL: As, K 10 µg/mL: La, Li, Mn, Ni, Sr, Zn 1 µg/mL: Ba, Mg	500 mL	<b>N0691579</b>
<b>Mixed Calibration Standard 1</b>			
2% HNO <sub>3</sub>	500 µg/mL: Pb 200 µg/mL: Se 150 µg/mL: Cd, Zn 100 µg/mL: Mn 50 µg/mL: Be	125 mL	<b>N9300200</b>
<b>Mixed Calibration Standard 2</b>			
5% HNO <sub>3</sub>	10,000 µg/mL: Fe 100 µg/mL: Ba, Co, Cu, V	125 mL	<b>N9300201</b>
<b>Mixed Calibration Standard 3</b>			
2% HNO <sub>3</sub> /Tr. HF	500 µg/mL: As 100 µg/mL: Mo, Si	125 mL	<b>N9300202</b>
<b>Mixed Calibration Standard 4</b>			
5% HNO <sub>3</sub>	1,000 µg/mL: Ca 400 µg/mL: K 200 µg/mL: Al, Na 20 µg/mL: Cr, Ni	125 mL	<b>N9300203</b>
<b>Mixed Calibration Standard 5</b>			
5% HNO <sub>3</sub> /trace Tartaric Acid/trace HF	1,000 µg/mL: Mg 200 µg/mL: Sb, Tl 100 µg/mL: B 50 µg/mL: Ag	125 mL	<b>N9300204</b>

## Spike Standards

Matrix	Content	Volume	Part No.
<b>Spike Sample Standard I</b>			
5% HNO <sub>3</sub> /trace Tartaric Acid/trace HF	200 µg/mL: Al, As, Ba, Se, Tl 100 µg/mL: Fe 50 µg/mL: Co, Mn, Ni, Pb, Sb, V, Zn 25 µg/mL: Cu 20 µg/mL: Cr 5 µg/mL: Ag, Be, Cd	125 mL	<b>N9300230</b>
<b>Spike Sample Standard I (Water)</b>			
5% HNO <sub>3</sub> /trace Tartaric Acid/trace HF	500 µg/mL: Fe 250 µg/mL: Ba, Zn 100 µg/mL: Co, Cr, Cu, Mn, Ni, Sb, V 50 µg/mL: As, Pb 25 µg/mL: Ag, Be, Cd, Se, Tl	125 mL	<b>N9303839</b>
<b>Spike Sample Standard 2 (Soil)</b>			
5% HNO <sub>3</sub> /trace Tartaric Acid/trace HF	250 µg/mL: Ba, Cr, Cu, Zn 150 µg/mL: V 125 µg/mL: Ni 100 µg/mL: Co, Pb, Sb 50 µg/mL: As, Cd 25 µg/mL: Ag, Be, Se, Tl	125 mL	<b>N9303840</b>
<b>Spike Sample Standard 3 (for ILM 05.2)</b>			
5% HNO <sub>3</sub> /trace Tartaric Acid/trace HF	200 µg/mL: Al, Ba 50 µg/mL: Co, Mn, Ni, V, Zn 25 µg/mL: Cu 20 µg/mL: Cr 10 µg/mL: Sb 5 µg/mL: Ag, Be, Cd, Tl 4 µg/mL: As 2 µg/mL: Pb 1 µg/mL: Se	125 mL	<b>N9303841</b>